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MAY 03 2002
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SEQUENCE LISTING

<110> Coia, et al.

<120> V-like Domain Binding Molecules

<130> 674537-2002

<140> 09/623,611

<141> 2000-10-06

<150> PCT/AU99/00136

<151> 1999-03-05

<150> AU PP 2210

<151> 1998-03-06

<160> 142

<170> PatentIn version 3.0

<210> 1

<211> 6

<212> PRT

<213> Homo sapiens

<220>

<221> UNSURE

<222> (1)..(6)

<223> conserved sequence in CDR3-like surface loop

<400> 1

Met Tyr Pro Pro Pro Tyr

1

5

<210> 2

<211> 54

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<223> Oligonucleotide for 5' CTLA-4 amplification

<400> 2

ttattactcg cggcccagcc ggccatggcc gcaatgcacg tggcccagcc tgct

54

<210> 3

<211> 60

<212> DNA

<213> Artificial Sequence

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<223> Oligonucleotide for 5' CTLA-4 amplification

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<210> 4
<211> 45
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tctcacagtg cacaggcaat gcacgtggcc cagcctgctg tggtta 45

<210> 5
<211> 39
<212> DNA
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<220>
<223> Oligonucleotide for 5' CTLA-4 amplification

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<210> 6
<211> 42
<212> DNA
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<220>
<223> Oligonucleotide for 5' CTLA-4 amplification

<400> 6
gccagccgg ccgaattcgc aatgcacgtg gccagcctg ct 42

<210> 7
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<220>
<223> Oligonucleotide for 5' CTLA-4 amplification

<400> 7
gcagctaata cgactcacta taggaacaga ccaccatgga cgtggcccag cctgctgtgg 60

<210> 8
<211> 42
<212> DNA
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<220>
 <223> Oligonucleotide for 3' CTLA-4 amplification

 <400> 8
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 <210> 9
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 <223> Oligonucleotide for 3' CTLA-4 amplification

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 gctgaattct gatcagtgat ggtgatggtg atgtgcgggcc gcgtcagaat ctgggcacgg 60
 ttcttg 66

 <210> 10
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 <210> 11
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 <220>
 <223> Oligonucleotide for 3' CTLA-4 amplification

 <400> 11
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 <210> 12
 <211> 51
 <212> DNA
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 <223> Oligonucleotide for 3' CTLA-4 amplification

 <400> 12
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<210> 13
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<220>
<223> Oligonucleotide for CDR1- somatostatin

<400> 13
agctttgtgt gtgagtatgc agctggctgc aagaatttct tctggaagac tttcacatcc 60
tgtgccactg aggtccgggt gaca 84

<210> 14
<211> 84
<212> DNA
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<220>
<223> Oligonucleotide for CDR3- somatostatin

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agcctccacc ttgcagatgt agag 84

<210> 15
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<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(75)
<223> k is g or t

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tgtgccactg aggtc 75

<210> 16
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 <223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
 <221> misc_feature
 <222> (1)..(75)
 <223> m is a or c

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 agcctccacc ttgca 75

<210> 17
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<220>
 <223> oligonucleotide for CDR2 haemagglutinin tag

<400> 17
 gtaggttgcc gcacagactt c 21

<210> 18
 <211> 66
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide for CDR2 haemagglutinin tag

<400> 18
 gaagtctgtg cggcaaccta cccgtatgac gttccggact acgccctaga tgattccatc 61
 tgcacg 66

<210> 19
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<220>
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<400> 19
 gccagctttg tgtgtgagta tgccagtggc tacaccatcg ggccgtactg catggggcgtc 60

cgggtgacag tgcttcgg

78

<210> 20
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR-2 anti-lysozyme

<400> 20
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<210> 21
<211> 60
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR-2 anti-lysozyme

<400> 21
atctaggaag gtgatgccac cgcccatggt gatggctgcc gcacagactt cagtcacctg 60

<210> 22
<211> 69
<212> DNA
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<220>
<223> oligonucleotide for CDR-3 anti-lysozyme

<400> 22
cagcccgtgg ccgcactcgt agtaggacgc gtagatcgtc gagtccacct tgcagatgta 60
gagtcccggt 69

<210> 23
<211> 72
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<220>
<223> oligonucleotide for CDR-3 anti-lysozyme

<400> 23
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gccgcactcg ta 72

<210> 24

<211> 78
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 <220>
 <223> oligonucleotide for CDR-1 anti-melanoma

 <400> 24
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 cgggtgacag tgcttcgg 78

 <210> 25
 <211> 51
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> oligonucleotide for CDR-2 anti-melanoma

 <400> 25
 gccatctccg gatccggagg ctgacctac ctagatgatt ccatctgcac g 51

 <210> 26
 <211> 54
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> oligonucleotide for CDR-2 anti-melanoma

 <400> 26
 gtaggtcgag cctccggatc cggagatggc tgccgcacag acttcagtca cctg 54

 <210> 27
 <211> 69
 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> oligonucleotide for CDR-3 anti-melanoma

 <400> 27
 cacgtccatg tagtagtctc cctcctogcc ggcgagtcac cagcccacct tgcagatgta 60
 gagtcccg 69

 <210> 28
 <211> 51
 <212> DNA
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 <220>

<223> oligonucleotide for CDR-3 anti-melanoma

<400> 28

aatctgggta ccgttgccga tgcccacgtc catgtagtag tctccctcct c

51

<210> 29

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide for CDR1 randomisation

<220>

<221> misc_feature

<222> (1)..(66)

<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>

<221> misc_feature

<222> (1)..(66)

<223> 'k' is 'g' or 't'

<400> 29

agctttgtgt gtgagtatgc annknnknnk nnknnknnkn nknnkgccac tgagggtccgg

60

gtgaca

66

<210> 30

<211> 68

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide for CDR1 randomisation

<400> 30

cacgtggccc agcctgctgt ggtactggcc agcagccgag gcatcgccag ctttgtgtgt

60

gagtatgc

68

<210> 31

<211> 66

<212> DNA

<213> Artificial Sequence

<220>

<223> oligonucleotide for CDR1 randomisation

<220>

<221> misc_feature

<222> (1)..(66)

<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(66)
<223> 's' is 'g' or 'c'

<400> 31
gtgtgtgagt acgcgtncnn snnsnnsnns nnsnnstgcn nsgctactga gggttcgtgtg 60

accgtc 66

<210> 32
<211> 73
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR1 randomisation

<220>
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<222> (1)..(73)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(73)
<223> 'k' is 'g' or 't'

<400> 32
gccagctttg tgtgtgagta tgcannknnk nnknnknnkn nknnkggcgt ccgggtgaca 60

gtgcttcggc agg 73

<210> 33
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR1 randomisation

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<222> (1)..(82)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(82)
<223> 'k' is 'g' or 't'

<400> 33
gccagctttg tgtgtgagta tgcannknnk nnknnknnkn nknnknnktg cnnkggcgtc 60
cgggtgacag tgcttcggca gg 82

<210> 34
<211> 82
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR1 randomisation

<220>
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<222> (1)..(82)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(82)
<223> 'k' is 'g' or 't'

<400> 34
gccagctttg tgtgtgagta tgcannknnk ywynnkywyn nknnkywytg cnnkggcgtc 60
cgggtgacag tgcttcggca gg 82

<210> 35
<211> 70
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR1 randomisation

<220>
<221> misc_feature
<222> (1)..(70)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(70)
<223> 'k' is 'g' or 't'

<220>
<221> misc_feature
<222> (1)..(70)
<223> 'w' is 't' or 'a'

<220>
<221> misc_feature
<222> (1)..(70)

<223> 't' is 't' or 'c'
<220>
<221> misc_feature
<222> (1)..(70)
<223> 'k' is 'g' or 't'

<400> 35
gccagctttg tgtgtgagta tgcattctcca ggcnnknnkn nknnkggccg ggtgacagtg 60

cttcggcagg 70

<210> 36
<211> 70
<212> DNA
<213> Artificial Sequence

<220>
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<222> (1)..(70)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(70)
<223> 'k' is 'g' or 't'

<400> 36
gccagctttg tgtgtgagta tgcattctcca ggcnnktgcn nknnkggccg ggtgacagtg 60

cttcggcagg 70

<210> 37
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR2 randomisation

<220> .
<221> misc_feature
<222> (1)..(67)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(67)
<223> 'k' is 'g' or 't'

<400> 37
gtgactgaagt ctgtgcggca acctacnnkn nkgggnnkga gttgaccttc ctagatgatt 60
ccatctg 67

<210> 38
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR2 randomisation

<400> 38
gtaggttgcc gcacagactt cagtcacctg 30

<210> 39
<211> 68
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR2 randomisation

<220>
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<222> (1)..(68)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(68)
<223> 'k' is 'g' or 't'

<400> 39
gtgactgaag tctgtgcggc atgctacnnk nnkgggnnkg agttgacctt cctagatgat 60
tccatctg 68

<210> 40
<211> 29
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR2 randomisation

<400> 40
gtagcatgccg cacagacttc agtcacctg 29

<210> 41
<211> 69

<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR3 randomisation

<220>
<221> misc_feature
<222> (1)..(69)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(69)
<223> 'm' is 'c' or 'a'

<400> 41
ctgggtaccg ttgccgatgc cmnnmnnmnn mnnmnnmnnm nnnmnnmnnct ccaccttgca 60
gatgtagag 69

<210> 42
<211> 67
<212> DNA
<213> Artificial Sequence

<220>
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<222> (1)..(67)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.

<220>
<221> misc_feature
<222> (1)..(67)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't'.
nucleotide 's' can be either nucleotide 'g' or 'c'

<400> 42
aggtggaann snnsnnsnns nnsnnstgcn nsnnnsnnsn snnsnnsnns ggcatcggca 60
acggtac 67

<210> 43
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR3 randomisation

<220>
 <221> misc_feature
 <222> (1)..(78)
 <223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't' and
 nucleotide 'm' can be any nucleotide 'a' or 'c'.

<400> 43
 aatctgggta ccgttgccga tgccmnnmnn mnnmnnmnnm nnnnnnnnnn nmnnncacctt 60
 gcagatgtag agtcccgt 78

<210> 44
 <211> 93
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide for CDR3 randomisation

<220>
 <221> misc_feature
 <222> (1)..(93)
 <223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't' and
 nucleotide 'm' can be any nucleotide 'a' or 'c'.

<400> 44
 aatctgggta ccgttgccga tgcccagmnn mnnmnnmnnm nnnnnnnnnn nmnnnnnnnn 60
 mnnmnnctcc accttgccga tgtagagtcc cgt 93

<210> 45
 <211> 81
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> oligonucleotide for CDR3 randomisation

<220>
 <221> misc_feature
 <222> (1)..(81)
 <223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't' and
 nucleotide 'm' can be any nucleotide 'a' or 'c'.

<400> 45
 aatctgggta ccgttgccga tgccmnnmnn mnnmnnngcam nnnnnnnnnn nmnnnnnnncac 60
 cttgcagatg tagagtcccg t 81

<210> 46
 <211> 87

<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR3 randomisation

<220>
<221> misc_feature
<222> (1)..(87)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't' and
nucleotide 'm' can be any nucleotide 'a' or 'c'.

<400> 46
aatctgggta ccgttgccga tgccmnnmnn mnnmnnmnnng camnnmnnmnn nnnnnnnnnnn 60
mnnacaccttg cagatgtaga gtcccggt 87

<210> 47
<211> 99
<212> DNA
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<220>
<223> oligonucleotide for CDR3 randomisation

<220>
<221> misc_feature
<222> (1)..(99)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't' and
nucleotide 'm' can be any nucleotide 'a' or 'c'.

<400> 47
aatctgggta ccgttgccga tgccmnnmnn mnnmnnmnnm nngcamnnmnn nnnnnnnnnnn 60
mnnmnnmnnm nnnnncacct tgcagatgta gaggcccggt 99

<210> 48
<211> 87
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CDR3 randomisation

<220>
<221> misc_feature
<222> (1)..(87)
<223> nucleotide 'n' can be any nucleotide 'a', 'c', 'g', or 't',
nucleotide 'm' can be any nucleotide 'a' or 'c',
nucleotide 'r' can be any nucleotide 'a' or 'g' and
nucleotide 'w' can be any nucleotide 'a' or 't'.

<400> 48
aatctgggta ccgttgccga tgccrwrn mnmmmmmmng camnnmmnmn nmnnmmnnnn 60
mnncaccttg cagatgtaga gtcccgt 87

<210> 49
<211> 70
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CTLA-4 codon change

<400> 49
atgcacgtgg cccagcctgc tgtggtgctg gccagcagcc gtggcatcgc cagctttgtg 60
tgtgaatatg 70

<210> 50
<211> 77
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CTLA-4 codon change

<400> 50
gccagctttg tgtgtgaata tgcgtctggc tataccatcg gcccgactg catgggtgtg 60
cgtgtgaccg tgctgcg 77

<210> 51
<211> 54
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CTLA-4 codon change

<400> 51
gtgcgtgtga ccgtgctgcg tcaggcggat agccaggtga ccgaagtttg cgcg 54

<210> 52
<211> 75
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CTLA-4 codon change

<400> 52
caggtgaccg aagtttgccg ggcagcgatc aacatgggcg gtggcatcac ctctctggat 60

gattccatct gcacc 75

<210> 53
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CTLA-4 codon change

<400> 53
cagaccctgg atggtcaggt tcacctgggt accgctggag gtgccggtgc agatggaatc 60
atccag 66

<210> 54
<211> 57
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CTLA-4 codon change

<400> 54
cactttgcag atgtacagac cggtatccat ggcacgcaga ccctggatgg tcagggt 57

<210> 55
<211> 66
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CTLA-4 codon change

<400> 55
caggccatga ccgcattcgt aataagacgc atagatgggtg ctatccactt tgcagatgta 60
cagacc 66

<210> 56
<211> 69
<212> DNA
<213> Artificial Sequence

<220>
<223> oligonucleotide for CTLA-4 codon change

<400> 56
ctgggtaccg ttgccgatgc cagaatcgta gccatagcca ccggtggaca ggccatgacc 60
gcattcgta 69

<210> 57
 <211> 672
 <212> DNA
 <213> Homo sapiens

<220>
 <221> CDS
 <222> (109)..(453)
 <223> Polynucleotide encoding Human CTLA-4 cDNA

<400> 57
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 ccctgcactc tcctgttttt tcttctcttc atccctgtct tctgcaaa gca atg cac 117
 Ala Met His
 1
 gtg gcc cag cct gct gtg gta ctg gcc agc agc cga ggc atc gcc agc 165
 Val Ala Gln Pro Ala Val Val Leu Ala Ser Ser Arg Gly Ile Ala Ser
 5 10 15
 ttt gtg tgt gag tat gca tct cca ggc aaa gcc act gag gtc cgg gtg 213
 Phe Val Cys Glu Tyr Ala Ser Pro Gly Lys Ala Thr Glu Val Arg Val
 20 25 30 35
 aca gtg ctt cgg cag gct gac agc cag gtg act gaa gtc tgt gcg gca 261
 Thr Val Leu Arg Gln Ala Asp Ser Gln Val Thr Glu Val Cys Ala Ala
 40 45 50
 acc tac atg acg ggg aat gag ttg acc ttc cta gat gat tcc atc tgc 309
 Thr Tyr Met Thr Gly Asn Glu Leu Thr Phe Leu Asp Asp Ser Ile Cys
 55 60 65
 acg ggc acc tcc agt gga aat caa gtg aac ctc act atc caa gga ctg 357
 Thr Gly Thr Ser Ser Gly Asn Gln Val Asn Leu Thr Ile Gln Gly Leu
 70 75 80
 agg gcc atg gac acg gga ctc tac atc tgc aag gtg gag ctc atg tac 405
 Arg Ala Met Asp Thr Gly Leu Tyr Ile Cys Lys Val Glu Leu Met Tyr
 85 90 95
 cca ccg cca tac tac ctg ggc ata ggc aac gga acc cag att tat gta 453
 Pro Pro Pro Tyr Tyr Leu Gly Ile Gly Asn Gly Thr Gln Ile Tyr Val
 100 105 110 115
 attgatccag aaccgtgccc agattctgac ttctctctct ggatccttgc agcagttagt 513
 tcgggggttgt ttttttatag ctttctctct acagctgttt ctttgagcaa aatgctaaag 573
 aaaagaagcc ctcttacaac aggggtctat gtgaaaatgc cccaacaga gccagaatgt 633
 gaaaagcaat ttcagcctta ttttattccc atcaattga 672

<210> 58
 <211> 115

<212> PRT
<213> Homo sapiens

<400> 58

Ala Met His Val Ala Gln Pro Ala Val Val Leu Ala Ser Ser Arg Gly
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Ile Ala Ser Phe Val Cys Glu Tyr Ala Ser Pro Gly Lys Ala Thr Glu
20 25 30

Val Arg Val Thr Val Leu Arg Gln Ala Asp Ser Gln Val Thr Glu Val
35 40 45

Cys Ala Ala Thr Tyr Met Thr Gly Asn Glu Leu Thr Phe Leu Asp Asp
50 55 60

Ser Ile Cys Thr Gly Thr Ser Ser Gly Asn Gln Val Asn Leu Thr Ile
65 70 75 80

Gln Gly Leu Arg Ala Met Asp Thr Gly Leu Tyr Ile Cys Lys Val Glu
85 90 95

Leu Met Tyr Pro Pro Pro Tyr Tyr Leu Gly Ile Gly Asn Gly Thr Gln
100 105 110

Ile Tyr Val
115

<210> 59
<211> 7
<212> PRT
<213> Homo sapiens

<400> 59

Ser Pro Gly Lys Ala Thr Glu
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<210> 60
<211> 14
<212> PRT
<213> Homo sapiens

<400> 60

Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr Ser Cys
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<210> 61
<211> 9
<212> PRT
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<400> 61

Tyr Met Met Gly Asn Glu Leu Thr Phe
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<210> 62
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<212> PRT
<213> Homo sapiens

<400> 62

Leu Met Tyr Pro Pro Pro Tyr Tyr Leu
1 5

<210> 63
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Haemagglutinin tag

<400> 63

Tyr Pro Tyr Asp Val Pro Asp Tyr Ala
1 5

<210> 64
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Sequence from anti-lysozyme antibody

<400> 64

Ser Gly Tyr Thr Ile Gly Pro Tyr Cys Met Gly
1 5 10

<210> 65
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Sequence from anti-lysozyme antibody

<400> 65

Thr Tyr Met Met Gly Asn Glu Leu Thr Phe

1 5 10

<210> 66
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> Sequence from anti-lysozyme antibody

<400> 66

Asp Ser Thr Ile Tyr Ala Ser Tyr Tyr Glu Cys Gly His Gly Leu Ser
1 5 10 15

Thr Gly Gly Tyr Gly Tyr Asp Ser
20

<210> 67
<211> 11
<212> PRT
<213> Homo sapiens

<400> 67

Ser Gly Phe Thr Phe Ser Ser Tyr Ala Met Ser
1 5 10

<210> 68
<211> 10
<212> PRT
<213> Homo sapiens

<400> 68

Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr
1 5 10

<210> 69
<211> 15
<212> PRT
<213> Homo sapiens

<400> 69

Gly Trp Gly Leu Arg Gly Glu Glu Gly Asp Tyr Tyr Met Asp Val
1 5 10 15

<210> 70
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> Flag tag

<400> 70

Ala Ala Ala Asp Tyr Lys Asp Asp Asp Asp Lys Ala Ala Asp Tyr Lys
1 5 10 15

Asp Asp Asp Asp Lys
20

<210> 71
<211> 14
<212> PRT
<213> Homo sapiens

<400> 71

Ser Phe Val Cys Glu Tyr Ala Ser Pro Gly Lys Ala Thr Glu
1 5 10

<210> 72
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein

<400> 72

Ser Phe Val Cys Glu Tyr Ala Ser Gly Tyr Thr Ile Gly Pro Tyr Cys
1 5 10 15

Met Gly

<210> 73
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein

<400> 73

Ser Phe Val Cys Glu Tyr Ala Ala Gly Cys Lys Asn Phe Phe Trp Lys
1 5 10 15

Thr Phe Thr Ser Cys Ala Thr Glu
20

<210> 74
<211> 18
<212> PRT
<213> Homo sapiens

<400> 74

Ser Phe Val Cys Glu Tyr Ala Ser Gly Phe Thr Phe Ser Ser Tyr Ala

1 5 10 15

Met Ser

<210> 75
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein containing the random sequence

<220>
<221> UNSURE
<222> (1)..(15)
<223> ' X' can be any amino acid

<400> 75

Ser Phe Val Cys Glu Tyr Ala Xaa Xaa Xaa Xaa Xaa Xaa Gly
1 5 10 15

<210> 76
<211> 18
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein containing the random sequence

<220>
<221> UNSURE
<222> (1)..(18)
<223> ' X' can be any amino acid

<400> 76

Ser Phe Val Cys Glu Tyr Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys
1 5 10 15

Xaa Gly

<210> 77
<211> 21
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein containing the random sequence

<220>
<221> UNSURE
<222> (1)..(21)

<223> ' X' can be any amino acid

<400> 77

Ser Phe Val Cys Glu Tyr Ala Xaa Xaa Ala Arg Xaa Ala Arg Xaa Xaa
1 5 10 15

Ala Arg Cys Xaa Gly
20

<210> 78

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence from fusion protein containing the random sequence

<220>

<221> UNSURE

<222> (1)..(14)

<223> 'X' can be any amino acid

<400> 78

Ser Phe Val Cys Glu Tyr Ala Ser Pro Gly Xaa Xaa Xaa Xaa
1 5 10

<210> 79

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence from fusion protein containing the random sequence

<220>

<221> UNSURE

<222> (1)..(14)

<223> ' X' can be any amino acid

<400> 79

Ser Phe Val Cys Glu Tyr Ala Ser Pro Gly Xaa Cys Xaa Xaa
1 5 10

<210> 80

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence from fusion protein containing the random sequence

<220>
<221> UNSURE
<222> (1)..(18)
<223> ' X' can be any amino acid

<400> 80

Ser Phe Val Cys Glu Tyr Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ala
1 5 10 15

Thr Glu

<210> 81
<211> 18
<212> PRT.
<213> Artificial Sequence

<220>
<223> sequence from fusion protein containing the random sequence

<220>
<221> UNSURE
<222> (1)..(18)
<223> ' X' can be any amino acid

<400> 81

Ser Phe Val Cys Glu Tyr Ala Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Ala
1 5 10 15

Thr Glu

<210> 82
<211> 24
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein containing the random sequence

<220>
<221> UNSURE
<222> (1)..(24)
<223> ' X' can be any amino acid

<400> 82

Ser Phe Val Cys Glu Tyr Ala Ala Gly Cys Lys Asn Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa Thr Ser Cys Ala Thr Glu
20

<210> 83
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein

<400> 83

Gln Val Thr Glu Val Cys Ala Ala Thr Tyr Met Met Gly Asn Glu Leu
1 5 10 15

Thr Phe Leu Asp Asp Ser Ile Cys Thr
20 25

<210> 84
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein

<400> 84

Gln Val Thr Glu Val Cys Ala Ala Ala Ile Asn Met Gly Gly Gly Ile
1 5 10 15

Thr Phe Leu Asp Asp Ser Ile Cys Thr
20 25

<210> 85
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein

<400> 85

Gln Val Thr Glu Val Cys Ala Ala Thr Tyr Pro Tyr Asp Val Pro Asp
1 5 10 15

Tyr Ala Leu Asp Asp Ser Ile Cys Thr
20 25

<210> 86
<211> 25
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein

<400> 86

Gln Val Thr Glu Val Cys Ala Ala Ala Ile Ser Gly Ser Gly Gly Ser
1 5 10 15

Thr Tyr Leu Asp Asp Ser Ile Cys Thr
20 25

<210> 87

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence from fusion protein containing the random sequence 1

<220>

<221> UNSURE

<222> (1)..(25)

<223> 'n' can be any amino acid

<400> 87

Gln Val Thr Glu Val Cys Ala Ala Thr Tyr Xaa Xaa Gly Xaa Glu Leu
1 5 10 15

Thr Phe Leu Asp Asp Ser Ile Cys Thr
20 25

<210> 88

<211> 25

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence from fusion protein containing the random sequence 2

<220>

<221> UNSURE

<222> (1)..(25)

<223> amino acid 'X' can be any amino acid

<400> 88

Gln Val Thr Glu Val Cys Ala Ala Cys Tyr Xaa Xaa Gly Xaa Glu Leu
1 5 10 15

Thr Phe Leu Asp Asp Ser Ile Cys Thr
20 25

<210> 89

<211> 13

<212> PRT

<213> Artificial Sequence

<220>
<223> sequence from fusion protein

<400> 89

Cys Lys Val Glu Leu Met Tyr Pro Pro Pro Tyr Tyr Leu
1 5 10

<210> 90
<211> 27
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein

<400> 90

Cys Lys Val Asp Ser Thr Ile Tyr Ala Ser Tyr Tyr Glu Cys Gly His
1 5 10 15

Gly Leu Ser Thr Gly Gly Tyr Gly Tyr Asp Ser
20 25

<210> 91
<211> 18
<212> PRT
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<220>
<223> sequence from fusion protein

<220>
<221> UNSURE
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<223> ' X' can be any amino acid

<400> 91

Cys Lys Val Glu Ala Gly Cys Lys Asn Phe Phe Trp Lys Thr Phe Thr
1 5 10 15

Ser Cys

<210> 92
<211> 18
<212> PRT
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<220>
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<220>
<221> UNSURE
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<223> ' X' can be any amino acid

<400> 92

Cys Lys Val Gly Trp Gly Leu Arg Gly Glu Glu Gly Asp Tyr Tyr Met
1 5 10 15

Asp Val

<210> 93

<211> 14

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence from fusion protein containing the random sequence

<220>

<221> UNSURE

<222> (1)..(14)

<223> ' X' can be any amino acid

<400> 93

Cys Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10

<210> 94

<211> 18

<212> PRT

<213> Artificial Sequence

<220>

<223> sequence from fusion protein containing the random sequence

<220>

<221> UNSURE

<222> (1)..(18)

<223> ' X' can be any amino acid

<400> 94

Cys Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5 10 15

Xaa Xaa

<210> 95

<211> 14

<212> PRT

<213> Artificial Sequence

<220>
<223> sequence from fusion protein containing the random sequence

<220>
<221> UNSURE
<222> (1)..(14)
<223> ' X' can be any amino acid

<400> 95

Cys Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1 5 10

<210> 96
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein containing the random sequence

<220>
<221> UNSURE
<222> (1)..(15)
<223> ' X' can be any amino acid

<400> 96

Cys Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1 5 10 15

<210> 97
<211> 17
<212> PRT
<213> Artificial Sequence

<220>
<223> sequence from fusion protein containing the random sequence

<220>
<221> UNSURE
<222> (1)..(17)
<223> ' X' can be any amino acid

<400> 97

Cys Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa
1 5 10 15

Xaa

<210> 98
<211> 21

<212> PRT
 <213> Artificial Sequence

 <220>
 <223> sequence from fusion protein containing the random sequence

 <220>
 <221> UNSURE
 <222> (1)..(21)
 <223> ' X' can be any amino acid

<400> 98

Cys Lys Val Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa
 1 5 10 15

 Xaa Xaa Xaa Xaa Xaa
 20

<210> 99
 <211> 13
 <212> PRT
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<220>
 <223> sequence from fusion protein containing the random sequence

 <220>
 <221> UNSURE
 <222> (1)..(13)
 <223> ' X' can be any amino acid

<400> 99

Cys Lys Val Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1 5 10

<210> 100
 <211> 18
 <212> PRT
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<220>
 <223> sequence from fusion protein containing the random sequence

 <220>
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 <222> (1)..(18)
 <223> ' X' can be any amino acid

<400> 100

Cys Lys Val Glu Xaa Xaa Xaa Xaa Xaa Cys Xaa Xaa Xaa Xaa Xaa
 1 5 10 15

Xaa Xaa

<210> 101
<211> 18
<212> PRT
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<220>
<223> sequence from fusion protein containing the random sequence

<220>
<221> UNSURE
<222> (1)..(18)
<223> ' X' can be any amino acid

<400> 101

Cys Lys Val Glu Ala Gly Cys Lys Asn Xaa Xaa Xaa Xaa Xaa Xaa Thr
1 5 10 15

Ser Cys

<210> 102
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 102

Leu Pro Ser Ser Asp Thr Arg Ala Tyr Ser
1 5 10

<210> 103
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 103

Gln Glu Ser Gly Gly Arg Pro Gly
1 5

<210> 104
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 104

Leu Pro Arg Gly Pro Pro Leu Leu Ser Leu
1 5 10

<210> 105
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 105

Ser Pro Gly Arg Cys Leu Asn
1 5

<210> 106
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<220>
<221> UNSURE
<222> (8)..(8)
<223> Stop codon but Glu when expressed in Tg-1 or JM109 strains of E.c
ol

<400> 106

Glu Trp Lys Arg Glu His Gly Gly
1 5

<210> 107
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 107

Leu Cys Pro Gly Ala Cys Gly Cys Val Tyr
1 5 10

<210> 108
<211> 8
<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<220>

<221> UNSURE

<222> (4)..(4)

<223> stop codon but Glu when expressed in Tg-1 or JM109 strains of E.c
ol

<400> 108

Asn Ser Gly Glu Asn Glu Gly Gly
1 5

<210> 109

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 109

Asp Lys Pro Val Thr Lys Ser Gly
1 5

<210> 110

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<220>

<221> UNSURE

<222> (7)..(7)

<223> Stop codon but Glu when expressed in Tg-1 or JM109 strains of E.c
ol

<400> 110

Ser Pro Gly Ala Cys Pro Glu
1 5

<210> 111

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 111

Ser Pro Gly Lys Cys Asp Gln
1 5

<210> 112

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 112

Ser Pro Gly Met Cys Ala Arg
1 5

<210> 113

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<220>

<221> UNSURE

<222> (8)..(8)

<223> Stop codon but Glu when expressed in Tg-1 or JM109 strains of E.c
ol

<400> 113

Pro Phe Leu Phe Leu Pro Cys Glu Phe Phe Phe
1 5 10

<210> 114

<211> 11

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 114

Trp Thr Leu Gly His His Lys Leu Cys Glu Gly
1 5 10

<210> 115

<211> 10

<212> PRT

<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 115

Leu Phe Thr Cys Leu Leu Ala Leu Cys Ser
1 5 10

<210> 116
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 116

Ser Pro Gly Glu Cys Tyr Gly
1 5

<210> 117
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<220>
<221> UNSURE
<222> (1)..(13)
<223> ' X' can be any amino acid

<400> 117

Ser Trp Leu Ser Thr Thr Xaa Cys Leu Ser Ser Cys Ser
1 5 10

<210> 118
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<220>
<221> UNSURE
<222> (4)..(4)
<223> Stop codon but Glu when expressed in Tg-1 or JM109 strains of E.c
ol

<400> 118

Ser Pro Gly Glu Cys Gln Asp
1 5

<210> 119

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 119

Leu Leu Gly Ser Leu Leu Ser Cys Phe Ala Ser Leu Ser
1 5 10

<210> 120

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<220>

<221> UNSURE

<222> (1)..(13)

<223> ' X' can be any amino acid

<400> 120

Ser Pro Gly Ser Leu Leu Ser Cys Phe Ala Ser Xaa Ser
1 5 10

<210> 121

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 121

Ser Pro Gly Arg Cys Thr Asp
1 5

<210> 122

<211> 13

<212> PRT

<213> Artificial Sequence

<220>

<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 122

Val Ile Cys His Ser Ser Val Cys Leu Ser Asp Val Cys
1 5 10

<210> 123
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 123

Val Ile Cys His Ser Ser Val Cys Leu Ser Glu Val Cys
1 5 10

<210> 124
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 124

Asp Leu Pro Ser Tyr Leu Ala Cys Ser Ile
1 5 10

<210> 125
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 125

Ser Pro Gly Arg Cys Asp Ala
1 5

<210> 126
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 126

Ala Leu Cys Trp Asp Val Phe Tyr Cys Ser Phe Pro Ser Tyr
1 5 10

<210> 127

<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 127

Glu Leu Phe Gly His Ala Arg Tyr Cys Lys Gly
1 5 10

<210> 128
<211> 15
<212> PRT
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<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<220>
<221> UNSURE
<222> (7)..(7)
<223> Stop codon but Glu when expressed in Tg-1 or JM109 strains of E.c
ol

<400> 128

Val Ser Ile Thr Ser Pro Glu Leu Cys Pro Val Lys Val Phe Asp
1 5 10 15

<210> 129
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<220>
<221> UNSURE
<222> (6)..(6)
<223> Stop codon but Glu when expressed in Tg-1 or JM109 strains of E.c
ol

<400> 129

Ser Pro Gly Lys Val Glu Asn
1 5

<210> 130
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 130

Leu Phe Val Pro Phe Val Ser Pro
1 5

<210> 131
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 131

Ser Pro Gly Asp Leu Trp Val
1 5

<210> 132
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 132

Glu Ser Gly Leu Ser Pro Val Ser Pro Cys Ser Leu Tyr Ser Leu
1 5 10 15

<210> 133
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 133

Thr Ser Ala Asn Gly Pro Tyr Gly
1 5

<210> 134
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 134

Pro Trp Ala Tyr Arg Phe Leu Ala Val Leu
1 5 10

<210> 135
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 135

Arg Lys Thr Arg Glu Lys Tyr Gly
1 5

<210> 136
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 136

Glu Leu Met Tyr Pro Pro Pro Tyr Tyr Leu Gly Ile
1 5 10

<210> 137
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 137

Ser Pro Gly Gln Glu Leu Thr
1 5

<210> 138
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> CDR1 and CDR3 inserts possessing randomly generated sequence

<400> 138

Glu Leu Phe Phe Leu Leu Tyr Ala Pro Cys Tyr Leu Phe Gln Arg
1 5 10 15

<210> 139
<211> 5

<212> PRT
<213> Homo sapiens

<220>
<221> DOMAIN
<222> (1)..(5)
<223> V-like beta strand sequence

<400> 139

Ala Gly Phe Cys Cys
1 5

<210> 140
<211> 4
<212> PRT
<213> Homo sapiens

<400> 140

Phe Trp Lys Thr
1

<210> 141
<211> 5
<212> PRT
<213> Homo sapiens

<400> 141

Gly Phe Cys Cys Cys
1 5

<210> 142
<211> 6
<212> Artificial Sequence
<213> CDR1 and CDR3 inserts possessing randomly generated sequence.

<400> 142

SPECQD
1 5